

FORM PTO-1449

LIST OF PATENTS AND OTHER REFERENCES FOR APPLICANT'S
INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

259/163

SERIAL NO.

09/727,030

APPLICANT

Patrick M. Gilles, et al.

FILING DATE:

11/30/2000

GROUP:

Not Yet Assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILE DATE
AA	✓	3,950,738	4/1976	Hayashi et. al.	—	—	
AB	✓	3,995,190	11/1976	Salgo	—	—	
AC	✓	4,283,773	8/1981	Doughton et al.	—	—	
AD	✓	4,563,419	1/1986	Ranki, et al.	—	—	
AE	✓	4,580,895	4/1986	Patel	—	—	
AF	✓	4,584,075	4/1986	Goldstein et al.	—	—	
AG	✓	4,594,135	6/1986	Goldstein	—	—	
AH	✓	4,751,177	6/1988	Stabinsky	—	—	
AI	✓	4,787,963	11/1988	MacConnell	—	—	
AJ	✓	4,807,161	2/1989	Cornfort et al.	—	—	
AK	✓	4,816,418	3/1989	Mack et al.	—	—	
AL	✓	4,822,566	4/1989	Newman	—	—	
AM	✓	4,828,979	5/1989	Klevan et al.	—	—	
AN	✓	4,908,112	3/1990	Pace	—	—	
AO	✓	5,063,081	11/1991	Cozzette et al.	—	—	
AP	✓	5,074,977	12/1991	Cheung et al.	—	—	
AQ	✓	5,075,077	12/1991	Durley, III et al.	—	—	
AR	✓	5,096,669	3/1992	Lauks et al.	—	—	
AS	✓	5,096,807	3/1992	Leaback	—	—	
AT	✓	5,125,748	6/1992	Bjornson et al.	—	—	
AU	✓	5,126,022	6/1992	Soane et al.	—	—	
AV	✓	5,143,854	9/1992	Pirrung et al.	—	—	
AW	✓	5,164,319	11/1992	Hafemann et al.	—	—	

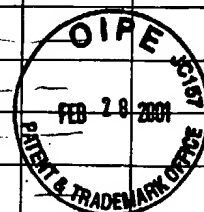
OC-75187.1 EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609;
Draw line through citation if not in conformance and not considered. Include a copy of this form with next
communication to applicant

FORM PTO-1449 LIST OF PATENTS AND OTHER REFERENCES FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 259/163	SERIAL NO. 09/727,030
	APPLICANT Patrick N. Gilles, et al.	
	FILING DATE: 11/30/2000	GROUP: Not Yet Assigned

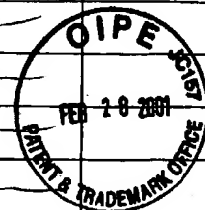
AX	5,166,063 ✓	11/1992	Johnson	—	—	
AY	5,200,051 ✓	4/1993	Cozzette et al.	—	—	
AZ	5,202,231 —	4/1993	Drmanac et al.	—	—	
BA	5,219,726 ✓	6/1993	Evans	—	—	
BB	5,227,265 ✓	7/1993	DeBoer et al.	—	—	
BC	5,234,566 ✓	8/1993	Osman et al.	—	—	
BD	5,242,797 ✓	9/1993	Hirschfeld	—	—	
BE	5,304,487 ✓	4/1994	Wilding et al.	—	—	
BF	5,312,527 ✓	5/1994	Mikkelsen et al.	—	—	
BG	5,433,819 ✓	7, 1995	McMeen	—	—	
BH	5,434,049 ✓	7/1995	Okano et al.	—	—	
BI	5,436,129 ✓	7/1995	Stapleton	—	—	
BJ	5,445,525 ✓	9/1995	Broadbent et al.	—	—	
BK	5,464,517 ✓	11/1995	Hjertén et al.	—	—	
BL	5,468,646 ✓	11/1995	Mattingly et al.	—	—	
BM	5,516,698 ✓	5/1996	Begg et al.	—	—	
BN	5,527,670 ✓	6/1996	Stanley	—	—	
BO	5,552,270 ✓	9/1996	Khrapko et al.	—	—	
BP	5,593,838 ✓	1/1997	Zanzucchi et al.	—	—	
BQ	5,605,662 ✓	2/1997	Heller et al.	—	—	
BR	5,632,957 ✓	5/1997	Heller et al.	—	—	
BS	5,653,939 ✓	8/5/1997	Hollis et al.	—	—	
BT	5,660,701 ✓	8/26/1997	Grushka et al.	—	—	
BU	5,681,751 ✓	10/1997	Begg et al.	—	—	
BV	5,750,015 ✓	5/1998	Soane et al.	—	—	



OC-75187.1 EXAMINER: <i>[Signature]</i>	DATE CONSIDERED: <i>4-28-04</i>
EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant	

FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 259/163	SERIAL NO. 09/727,030
	APPLICANT: Patrick N. Gilles, et al.	
	FILING DATE: 11/30/2000	GROUP: Not Yet Assigned

<i>[Signature]</i>	BW	5,770,365	6/1998	Lane et al.			
	BX	5,780,233	7/1998	Guo et al.			
	BY	5,849,489	12/1998	Heller			
	BZ	5,853,993	12/1998	Dellinger et al.			
	CA	6,013,166	1/2000	Heller			
	CB	6,017,696	1/2000	Heller			
	CC	6,048,690	4/2000	Heller et al.			
	CD	6,051,380	4/2000	Sosnowski et al.			
	CE	6,068,818	5/2000	Ackley et al.			
	CF	6,099,803	8/2000	Ackley et al.			
	CG	6,071,394	6/2000	Cheng et al.			
	CH	6,129,828	10/2000	Sheldon, III et al.			



FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
<i>[Signature]</i>	CI	0228075	8/1987	EP (Dattagupa et al.)				
<i>[Signature]</i>	CJ	2247889	3/1992	GB (Stanley)				
<i>[Signature]</i>	CK	WO95/07363	3/1995	PCT (Konard)				
<i>[Signature]</i>	CL	WO90/01564	2/1990	PCT (Adams et al.)				
<i>[Signature]</i>	CM	WO89/01159	2/1989	PCT (Cornell et al.)				
<i>[Signature]</i>	CN	WO93/22678	11/1993	PCT (Hollis)				
<i>[Signature]</i>	CO	WO86/03782	7/1986	PCT (Malcom et al.)				
<i>[Signature]</i>	CP	WO 89/10977	11/1989	PCT (Southern)				
<i>[Signature]</i>	CQ	WO88/08528	11/1988	PCT (Stanbro, et al.)				
<i>[Signature]</i>	CR	WO92/04470	3/1992	PCT (Stanley)				

OC-75187.1 EXAMINER: <i>[Signature]</i>	DATE CONSIDERED: <i>4-28-04</i>
EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant	

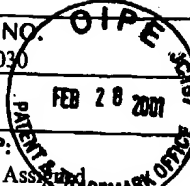
FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 259/163	SERIAL NO. 09/727,030
	APPLICANT: Patrick N. Gilles, et al.	
	FILING DATE: 11/30/2000	GROUP: Not Yet Assigned




CS	WO98/28444	7/1998	PCT (Mirzabekov, et a.)				
CT	WO97/12030	4/1997	PCT (Heller, et al.)				
CU	WO98/51819	9/1999	PCT Sosnowski				
CV	WO 98/10273	3/1998	PCT Sosnowski et al.				
CW	WO96/01836	1/1996	PCT (Heller et al.)				
CX	WO 98/10277	3/1998	PCT (Sheldon)				
CY	WO 99/42558	8/1999	PCT (Ackley, et al.)				
CZ	WO 01/06496 A1	1/2001	PCT (Havens et al.)				
DA	WO 00/61803	10/2000	PCT (Nerenbert, et al.)				
DB	WO 98/01758	1/1998	PCT (Kovacs)				
DC	WO 99/29711	6/1999	PCT (Sosnowski et al.)				
DD	WO 00/37163	6/2000	PCT (Cheng, et al.)				
DE	WO 00/58522	10/2000	PCT (Giles, et al.)				
DF	WO 00/32744	6/2000	PCT (Ackley, et al.)				
DG	WO 98/24544	6/1998	PCT (Ackley, et al.)				
DH	WO 99/43853	9/1999	PCT (Sosnowski)				
DI	2156074	10/1985	UK (Palva et al.)				
DJ	57087	87	Yugoslavia (Drmanac)				

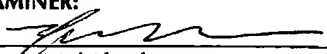
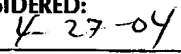



OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	
DK	Anand and Southern "Pulsed Field Gel Electrophoresis," <u>Gel Electrophoresis of Nucleic Acids - A Practical Approach</u> , 2d. ed., D. Rickwood and B.D. Hames (new York: IRL Press 1990), pps. 101-123
DL	Anderson and Young, "Quantitative Filter Hybridization," <u>Nucleic Acid Hybridization - A Practical Approach</u> , Eds. B.D. Hames and S.J. Higgins (Washington, D.C.: IRL Press 1985) pp. 73-111
DM	Bains, "Setting a Sequence to Sequence a Sequence," <u>Bio/Technology</u> , 10:757-758 (1992)
DN	Barinaga, "Will 'DNA Chip' Speed Genome Initiative?", <u>Science</u> , 253:1489 (1991)
DO	Beattie et al., "Genosensor Technology," <u>The 1992 San Diego Conference: Genetic Recognition</u> , pp 1-5 (Nov. 1992)

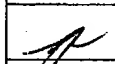

OC-75187.1 EXAMINER:	DATE CONSIDERED: 4-28-04
EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant	

FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 259/163	SERIAL NO. 09/727,030
	APPLICANT: Patrick N. Gilles, et al.	
	FILING DATE: 11/30/2000	GROUP: Not Yet Assigned
		

	DP	Beltz et al., "Isolation of Multigene Families and Determination of Homologies by Filter Hybridization Methods," <u>Methods in Enzymology</u> , 100:266-285 (1983)
	DQ	Brown et al. "Electrochemically Induced Adsorption of Radio-Labelled DNA on Gold and HOPG Substrates for STM Investigations." <u>Ultramicroscopy</u> , 38 1991, 253-264
	DR	Conner et al., "Detection of Sickle Cell β^+ Globin Allele By Hybridization With Synthetic Oligonucleotides," <u>Proc. Natl. Acad. Sci. USA</u> , 80:278-282 (1983)
	DS	Drmanac et al., "Sequence of Magabase Plus DNA by Hybridization : Theory of the Method," <u>Genomics</u> , 4:114-128 (1989)
	DT	Drmanac et al., "DNA Sequence Determination by Hybridization: A Strategy for Efficient Large-Scale Sequencing," <u>Science</u> , 260: 1649-1652 (1993)
	DU	Eggers et al. "Biochip Technology Development," BioChip Technology Development, Lincoln Laboratory Technical Report 901, Nov. 9, 1990
	DV	Fodor et al., "Multiplexed Biochemical Assays With Biological Chips," <u>Nature</u> , 364:555-556 (1993)
	DW	Fodor et al., "Light-Directed, Spatially Addressable parallel Chemical Synthesis," <u>Science</u> , 251: 767-773 (1992)
	DX	Gills, et al. "Single nucleotide polymorphic discrimination by an electronic dot blot assay on semiconductor microchips" <u>Nature Biotechnology</u> , Vol 17 April 1999 pp 365-370
	DY	Gryaznov et al. "Enhancement of selectivity in recognition of nucleic acids via chemical autoligation," <u>Nucleic Acids Research</u> , 1994, Vol. 22 No. 12 pp 2366-2369 (1994 University Press)
	DZ	Horejsi, "Some Theoretical Aspects of Affinity Electrophoresis," <u>Journal of Chromatography</u> , 178:1-13 (1979)
	EA	Horejsi et al., "Determination of Dissociation Constants of Lectin Sugar Complexes by Means of Affinity Electrophoresis, <u>Biochimica et Biophysica Acta</u> , 499:200-300 (1977)
	EB	Kakerow et al., "A Monolithic Sensor Array of Individually Addressable Microelectrodes," <u>Sensors and Actuators A</u> , 43 (1994) 296-301
	EC	Mathews, Kricka. "Analytical Strategies For The Use of DNA Probes." <u>Analytical Biochemistry</u> , 169, 1988, 1-25
	ED	Palecek. "New Trends in Electrochemical Analysis of Nucleic Acids," <u>Bioelectrochemistry and Bioenergetics</u> , 20, 1988, 179-194
	EE	Ranki et al., "Sandwich Hybridization as a Convenient Method for the Detection of Nucleic Acids in Crude Samples," <u>Gene</u> , 21:77-85 (1983)
	EF	Saiki, "Amplification of Genomic DNA," <u>PCR Protocols: A Guide to Methods and Applications</u> , (Academic Press, Inc. 1990), pp 13-20
	EG	Southern et al., "Analyzing and Comparing Nucleic Acid Sequences by Hybridization to Arrays of Oligonucleotides Evaluation Using Experimental Models," <u>Genomics</u> , 13:1008-1017 (1992)
	EH	Sosnowski et al. "Rapid determination of single base mismatch mutations in DNA hybrids by direct electric field control," <u>Proc. Natl. Acad. Sci. USA</u> Vol. 94, pp. 1119-1123, February 1997 Biochemistry
	EI	Strezoska et al., "DNA Sequencing by Hybridization: 100 Bases Read by a Non-Gel Based Method," <u>Proc. Natl. Acad. Sci. USA</u> , 88:10089-93 (1991)
	EJ	Wallace et al., "Hybridization of Synthetic Oligodeoxynucleotides to ϕ x 174 DNA: The Effect of Single Base Pair Mismatch," <u>Nucleic Acid Res.</u> , 6:3543-3557 (1979)
	EK	Washizu, "Electrostatic Manipulation of Biological Objects," <u>Journal of Electrostatics</u> , 25:109-123 (1990)
	EL	Washizu and Kurosawa, "Electrostatic Manipulation of DNA in Microfabricated Structures," <u>IEEE Transactions on Industry Applications</u> , 26:1165-1172 (1990)

OC-75187.1 EXAMINER: 	DATE CONSIDERED: 
EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant	

FORM PTO-1449  STATE OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT SUPPLEMENTAL IDS Continuation (Use several sheets if necessary)	ATTY. DOCKET NO. 259/163	SERIAL NO. 09/727,030
	APPLICANT: Patrick N. Gilles, et al.	
	FILING DATE: 11/30/2000	GROUP: Not Yet Assigned

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
	EM	<i>Genomica</i> Vol. 7, Number 4, August 1990 "Comprehensive Detection of Single Base Changes in Human Genomic DNA using Denaturing Gradient Gel Electrophoresis and GC Clamp" page 463 - 475
	EN	<i>Sensors and Actuators</i> Volume B19 (1994) "Array of Individually Addressable Microelectrodes" pages 675 - 677

OC-77636.1 Not Yet Assigned	DATE CONSIDERED: 4-28-04
EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant	

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	09/727,030
Filing Date	November 30, 2000
First Named Inventor	Patrick N. Gilles, et al.
Group Art Unit	1645
Examiner Name	Not Yet Assigned
Attorney Docket Number	612404-370 (form 259/163)

U.S. PATENT DOCUMENTS

Examiner Initials *	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	Number	Kind Code ² (if known)			
	US-4,731,325		Palva et al	03/15/88	
	US-4,883,750		Whiteley et al	11/01/89	
	US-4,988,617		Landegren et al	01/29/91	
	US-5,030,557		Hogan et al	07/09/91	
	US-5,114,674		Stanbro et al	05/19/92	
	US-5,445,934		Fodor et al	08/29/95	
	US-5,474,895		Ishii et al	12/12/95	
	US-5,516,641		Ullman et al.	05/14/96	
	US-5,573,907		Carrino et al	11/12/96	
	US-5,602,240		DeMesmaeker et al	02/11/97	
	US-5,635,352		Urdea et al	06/03/97	
	US-5,766,960		Cornell et al	06/16/98	
	US-5,789,167		Konrad	08/04/98	
	US-5,795,714		Cantor et al	08/18/98	
	US-5,811,269		Nadeau et al	09/22/98	
	US-5,849,486		Heller et al	12/15/98	
	US-5,849,544		Harris et al	12/15/98	
	US-5,908,745		Mirzabekov et al	06/01/99	
	US-5,965,452		Kovacs	10/12/99	
	US-6,054,270		Southern	04/25/00	
	US-6,150,095		Southern et al	11/21/00	
	US-6,207,373	B1	Sosnowski et al	03/27/01	
	US-6,308,348	B1	Havens et al	10/23/01	
	US-6,309,602	B1	Ackley et al	10/30/01	
	US-6,403,367	B1	Cheng et al	06/11/02	
	US-6,458,584	B1	Mirzabekov et al	10/01/02	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₁
	Office ³	Number ⁴	Kind Code ⁵ (if known)				
	EP	0320308	B1	Backman et al	11/03/93		
	WO	96/15271	A1	Carrino	05/23/96		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AAAC, "Hemochromatosis More Prevalent Than Previously Believed", Clinical Laboratory News, 1999, vol. 25, no. 2.	
	BROUDE, N.E., et al. "Enhanced DNA Sequencing by Hybridization." Proc. Natl. Acad. Sci., 1994, 3072-3076, vol. 91.	

IR1:1049715.1

11/12/03 11:39 AM



Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	09/727,030	
			Filing Date	November 30, 2000	
			First Named Inventor	Patrick N. Gilles, et al.	
			Group Art Unit	1645	
			Examiner Name	Not Yet Assigned	
Sheet	2	of	3	Attorney Docket Number	612404-370 (form 259/163)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Examiner Initials *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume–issue number(s), publisher, city and/or country where published.	T ²
	DAY, "Electrophoresis For Genotyping: Microtiter Array Diagonal Gel Electrophoresis On Horizontal Polyacrylamide Gels, Hydrolink, Agarose", Analytical Biochemistry, 1994, 389-395, vol. 222.	
	DROBYSHEV et al., "Sequence Analysis By Hybridization With Oligonucleotide Microchip: Identification of B-Thalassemia Mutations, Gene 1997, 45-52, 188.	
	DROBYSHEV et al, "Massive Parallel Analysis Of DNA-Hoeschst 33258 Binding Specificity with A Generic Oligodeoxyribonucleotide Microchip", Nucleic Acids Research, 1999, 4100-4105, vol. 27, no. 20.	
	EDMAN, C.F., et al, "Electric Field Directed Nucleic Acid Hybridization On Microchips." Nucleic Acids Research, 1997, 4907-4914, vol. 25, no. 24.	
	FEDER, "The Hemochromatosis Founder Mutation In HLA-H Disrupts β 2 Microglobulin Interaction & Cell Surface Expression", J. Biological Chemistry, 1997, 14025-14028, vol. 272, no. 22.	
	GUSCHIN et al., "Manual Manufacturing Of Oligonucleotide DNA, And Protein Microchips", Anal. Biochem., August 1, 1997, 203-211, vol. 250, no. 2.	
	HOLLAND, "Detection Of Specific Polymerase Chain Reaction Product By Utilizing The 5'→3' Exonuclease Activity of Thermus Aquaticus DNA Polymerase", Proc. Natl. Acad. Sci. USA, 1991, 7276-7280, vol. 88.	
	HOWELL, "Dynamic Allele-Specific Hybridization: A New Method For Scoring Single Nucleotide Polymorphisms", Nature Biotechnology, 1999, 87, vol. 17.	
	KHRAPKO, "An Oligonucleotide Hybridization Approach to DNA Sequencing" FEBS, 1989, 118-122, vol. 256 (1&2).	
	KHRAPKO et al., "A Method For DNA Sequencing By Hybridization With Oligonucleotide Matrix", DNA Seq., 1991, 375, vol. 1, no. 6.	
	KIELECZAWA, "DNA Sequencing By Primer Walking With Strips of Contiguous Hexamers", Science, 1992, 1787, vol. 258.	
	KOTLER, "DNA Sequencing: Modular Primers Assembled From A Library Of Hexamers Or Pentamers", Proc. Natl. Acad. Sci. USA, 1993, 4241-4245, vol. 90.	
	LANDEGREN, "Reading Bits of Genetic Information: Methods For Single Nucleotide Polymorphism Analysis", Genome Research, 1998, 769-776, vol. 8.	
	MALDONADO-RODREQUEZ et al., "Hybridization of Glass-Tethered Oligonucleotide Probes to Target Strands Preannealed with Labeled Auxiliary Oligonucleotides", Mol. Biotechnol., 1999, 1-12, vol. 11, no. 1.	
	MALDONADO-RODREQUEZ et al., "Mutation Detection By Stacking Hybridization On Genosensor Arrays", Mol. Biotechnol., 1999, 13-25, vol. 11, no. 1.	
	MEADE et al, "Electron Transfer Through DNA: Site-Specific Modification of Duplex DNA With Ruthenium Donors & Acceptors", Angew. Chem. Int. Ed. Engl., 1995, 353-354, vol. 34, no. 3.	
	NEWTON, "Analysis of Any Point Mutation in DNA. The Amplification Refractory Mutation System (ARMS)", 1989, Nucleic Acids Research, 1989, 2503, vol. 17, no. 7.	
	NORBERG, "Solvent Influence on Base Stacking", Biophysical Journal, 1998, 394-402, vol. 74.	
	ORITA, "Detection Of Polymorphisms Of Human DNA By Gel Electrophoresis As Single Strand Conformation Polymorphisms", Proc. Natl. Acad. Sci. USA, 1989, 2776-2770, vol. 86.	

IR1:1049715.1

11/12/03 11:39 AM



Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	09/727,030
			Filing Date	November 30, 2000
			First Named Inventor	Patrick N. Gilles, et al.
			Group Art Unit	1645
			Examiner Name	Not Yet Assigned
			Attorney Docket Number	612404-370 (form 259/163)
Sheet	3	of	3	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Examiner Initials *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume–issue number(s), publisher, city and/or country where published.	T ²
	ORNSTEIN, "An Optimized Potential Function For The Calculation Of Nucleic Acid Interaction Energies. I. Base Stacking", Biopolymers, 1978, 2341-2360, vol. 17.	
	PARINOV, "DNA Sequencing By Hybridization To Microchip Octa- and Decanucleotides Extended By Stacked Pentanucleotides", Nucleic Acids Research, 1996, 2998-3004, vol. 24, no. 15.	
	PATON, "Heterogeneity Of The Amino Acid Sequences Of Escherichia coli Shiga-like Toxin Type-I Operons, Gene, 1995, 71-74, vol. 153.	
	PIETERS, "Conformational & Thermodynamic Consequences Of The Introduction Of A Nick In Duplexed DNA Fragments: An NMR Study Augmented By Biochemical Experiments", Nucleic Acids Research, 1989, 4551, vol. 17, no. 12.	
	SINDEN, "Introduction To The Structure, Properties & Reactions of DNA", <u>DNA Structure & Function</u> , 1994, Chapter 1, (Academic Press).	
	SOUTHERN, "DNA Chips: Analysing Sequence By Hybridization To Oligonucleotides On A Large Scale", Trends In Genetics, March 1996, 110-115, vol. 12, no. 3.	
	SYVANEN et al, "Fast Quantification Of Nucleic Acid Hybrids By Affinity-Based Hybrid Collection", Nucleic Acids Research, 1986, 5037-5048, vol. 14, no. 12.	
	SYVANEN et al, "Quantification Of Polymerase Chain Reaction Products By Affinity Based Hybrid Collection", Nucleic Acids Research, 1988, 11327-11338, vol. 16, no. 23.	
	SYVANEN, "A Primer Guided Nucleotide Incorporation Assay In Genotyping Of Apolipoprotein E", Genomics, 1990, 684-692, vol. 8.	
	TYAGI, "Molecular Beacons: Probes That Fluoresce Upon Hybridization", Nature Biotechnology, 1996, 303, vol. 14.	
	WANG, "Large Scale Identification, Mapping & Genotyping Of Single Nucleotide Polymorphisms In The Human Genome, Science, 1998, 1077, vol. 280.	
	WU, "Specificity Of The Nick-closing Activity Of Bacteriophage T4 DNA Ligase", Gene, 1989, 245-254, vol. 76.	
	YERSHOV et al, "DNA Analysis & Diagnostics On Oligonucleotide Microchips", Proc. Natl. Acad. Sci. USA, May 1996, 4913-4918, vol. 93.	

Examiner Signature		Date Considered	4-28-04
--------------------	--	-----------------	---------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.